

PROJECT TITLE : Pilot Plant Operations
PERIOD COVERED : March 1st - 21st, 1980
WRITTEN BY : C. Ruf

1. Equipment.

1.1. Extraction:

During the last trial (Nino 55) the electrical heating wire of the extractor broke down for the second time. Another heating system is being studied with the FTR electrical department.

1.2. Evaporation.

The offer from Luwa for a thin film evaporator arrived on March 3rd.

1.3. Control.

The extract flowmeter before the mixing vessel gave us wrong results. It has been replaced and returned to the supplier for control.

2. Laboratory.

2.1. Due to continuous problems with our auto-analyser Technicon, the analyses are now made by the pilot plant lab technician with the equipment of the smoking laboratory. A modification of the dialysis unit of our Technicon will be tried. Besides, Technicon was asked to offer a new auto-analyser line.

2.2. The furniture for the laboratory extension has been installed. The utilities will be connected by the pilot plant personnel.

2.3. A turbidity meter (Eppendorf, type 1100) for measuring optical density of liquid samples from the fermenter is being tried. If it works satisfactorily, it will be used by operators for routine control of fermentation.

3. Personnel.

3.1. The 3th operator started work on March 3rd and has completed the training programme.

3.2. During a meeting on March 14th, the pilot plant organisation was redefined and divided into three activity areas: maintenance, laboratory and operations.

PROCESS DEVELOPMENT



C. Ruf

April 2, 1980

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